

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P205112

Luminaire Tested: **LD6B30D010 EU6B30509050 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B30D010 EU6B30509050 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2304.3 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

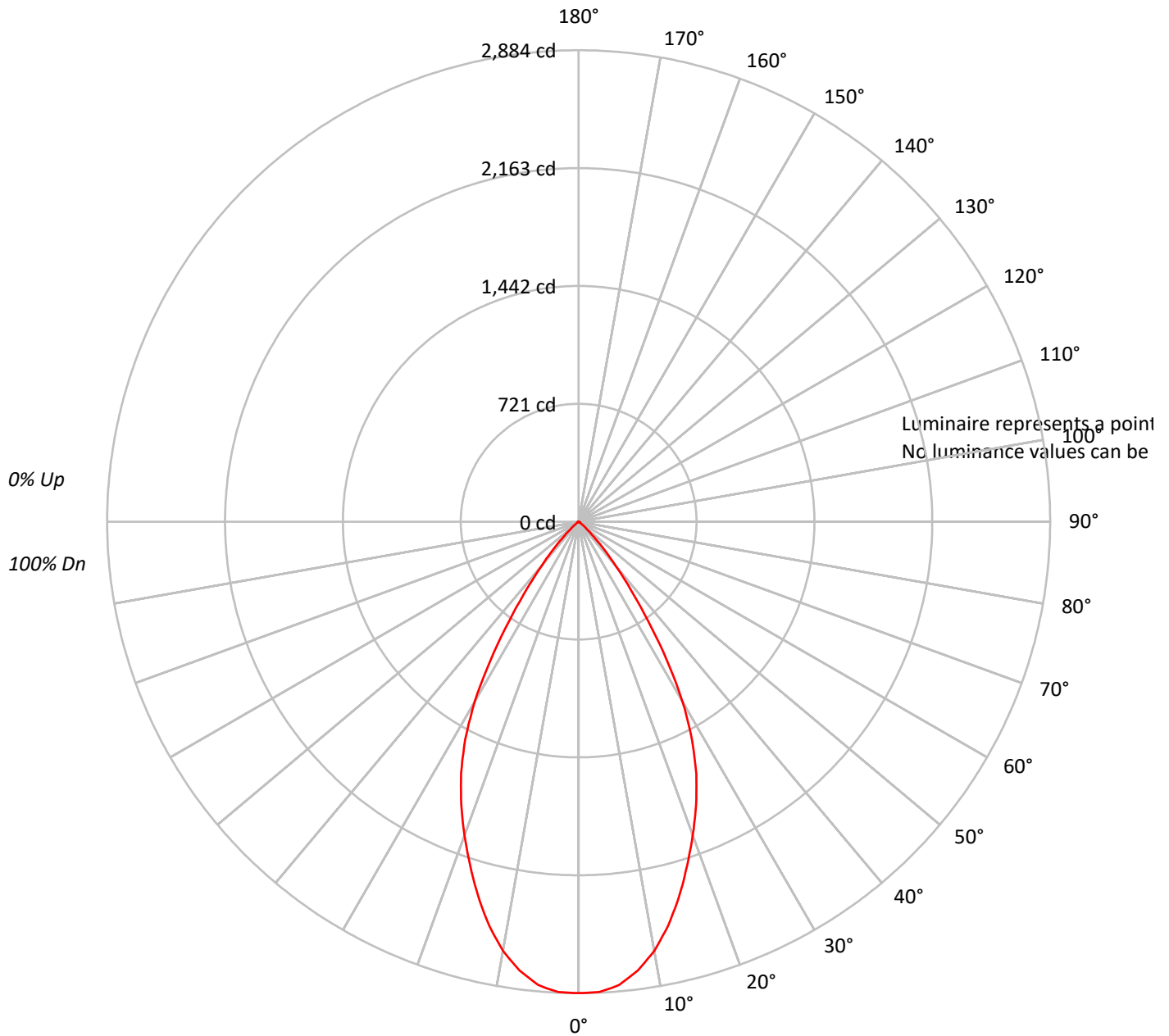
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	111	109	106	111	109	107	105		105	103	101			101	100	98			98
2	108	103	100	96	106	102	98	95		99	96	93			96	93	91			93
3	103	97	92	88	101	95	91	87		93	89	86			90	87	85			88
4	98	91	85	81	96	89	84	81		87	83	80			85	82	79			83
5	93	85	79	75	91	84	79	75		82	78	74			81	77	73			79
6	89	80	74	70	87	79	74	70		78	73	69			76	72	69			75
7	84	75	69	65	83	75	69	65		73	68	65			72	68	64			71
8	80	71	65	61	79	70	65	61		69	64	61			68	64	60			67
9	77	67	61	57	75	67	61	57		66	61	57			65	60	57			64
10	73	64	58	54	72	63	58	54		62	57	54			62	57	54			61

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.7	11.5
10°-20°	661.4	28.7
20°-30°	768.9	33.4
30°-40°	470.8	20.4
40°-50°	116.9	5.1
50°-60°	13.7	0.6
60°-70°	5.1	0.2
70°-80°	1.9	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1695.9	73.6
0°-40°	2166.8	94.0
0°-60°	2297.3	99.7
0°-90°	2304.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2304.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2884	
5°	2846	266
15°	2374	661
25°	1701	769
35°	737	471
45°	130	117
55°	12	14
65°	6	5
75°	3	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2883.8
2.5°	2880.9
5°	2845.5
7.5°	2768.8
10°	2665.6
12.5°	2530.0
15°	2373.7
17.5°	2205.6
20°	2040.5
22.5°	1875.4
25°	1701.4
27.5°	1500.9
30°	1270.9
32.5°	1002.6
35°	737.2
37.5°	519.0
40°	353.8
42.5°	221.2
45°	129.7
47.5°	73.7
50°	38.3
52.5°	17.7
55°	11.8
57.5°	8.8
60°	8.8
62.5°	5.9
65°	5.9
67.5°	2.9
70°	2.9
72.5°	2.9
75°	2.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)